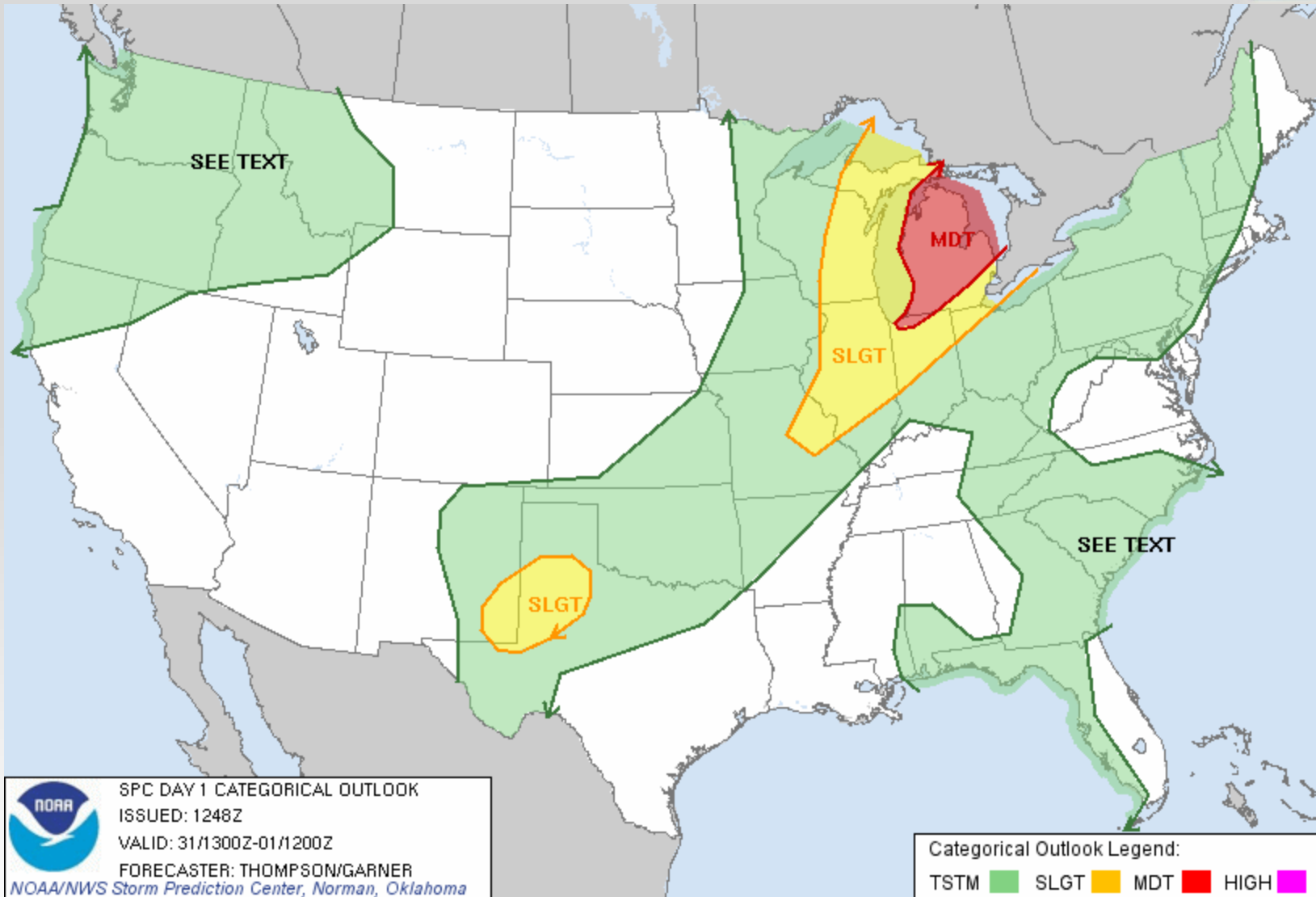


# **Southeast Lower Michigan Severe Weather Potential Tuesday May 31**

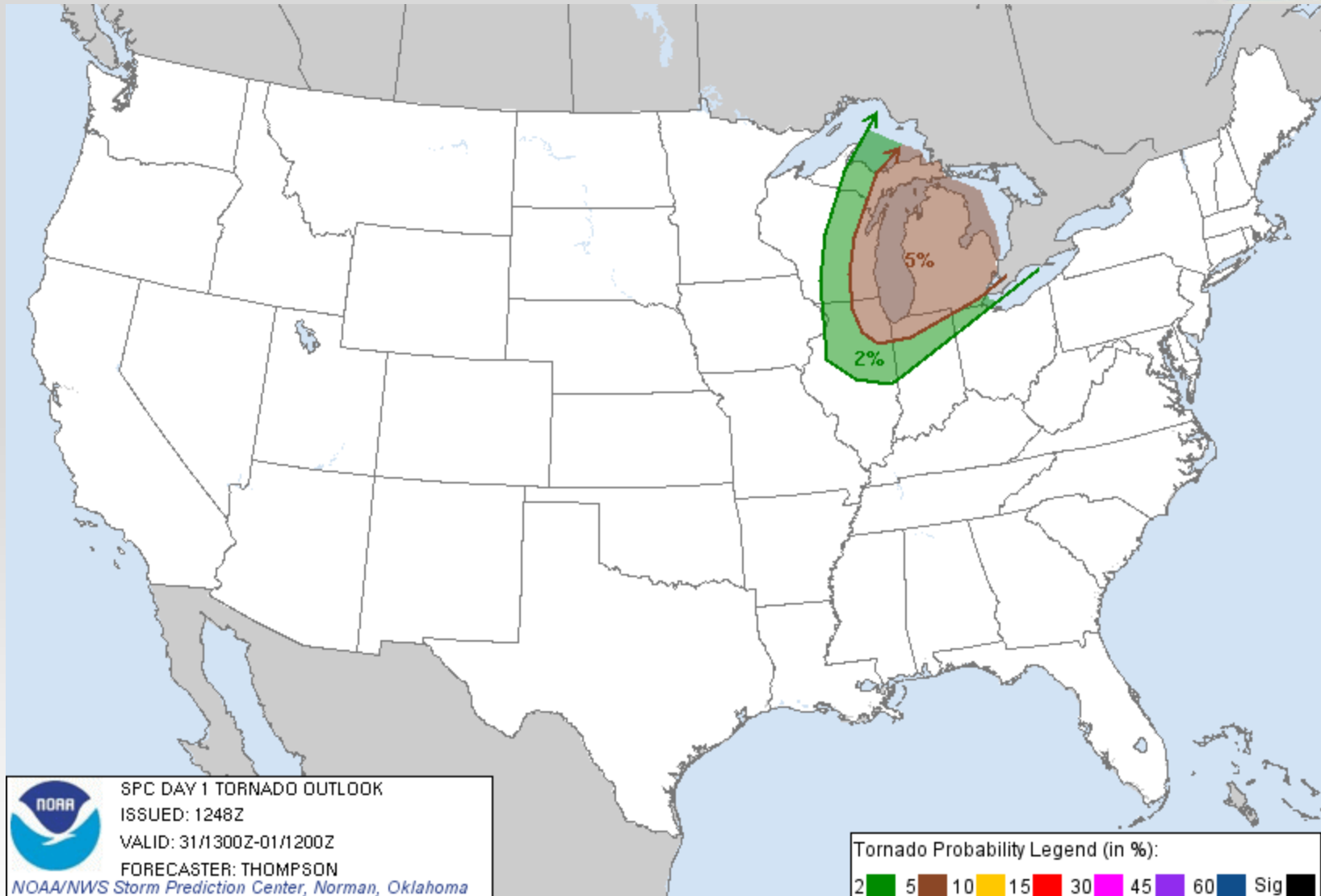
NOAA/National Weather Service  
Detroit/Pontiac



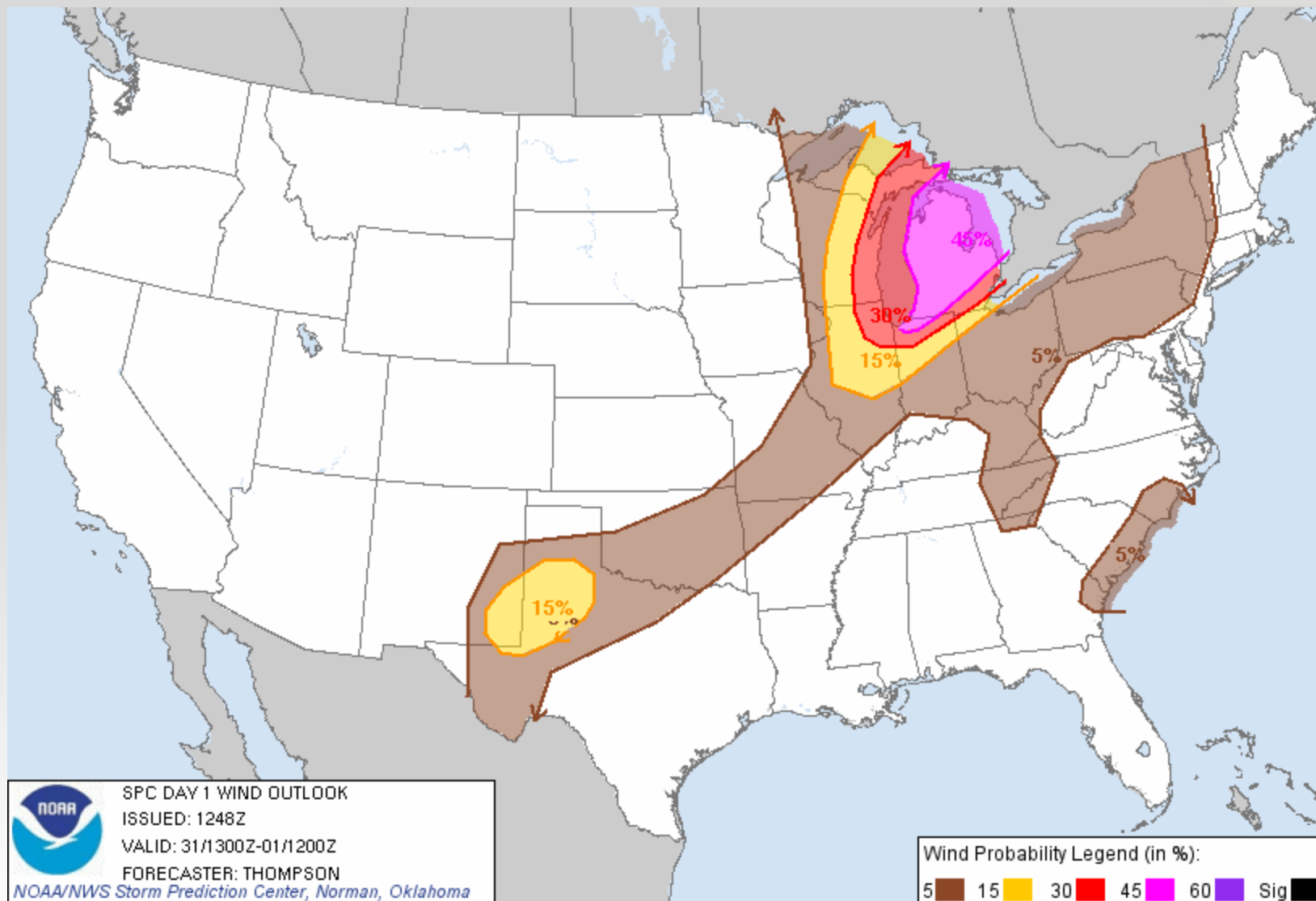
# SPC Categorical Outlook



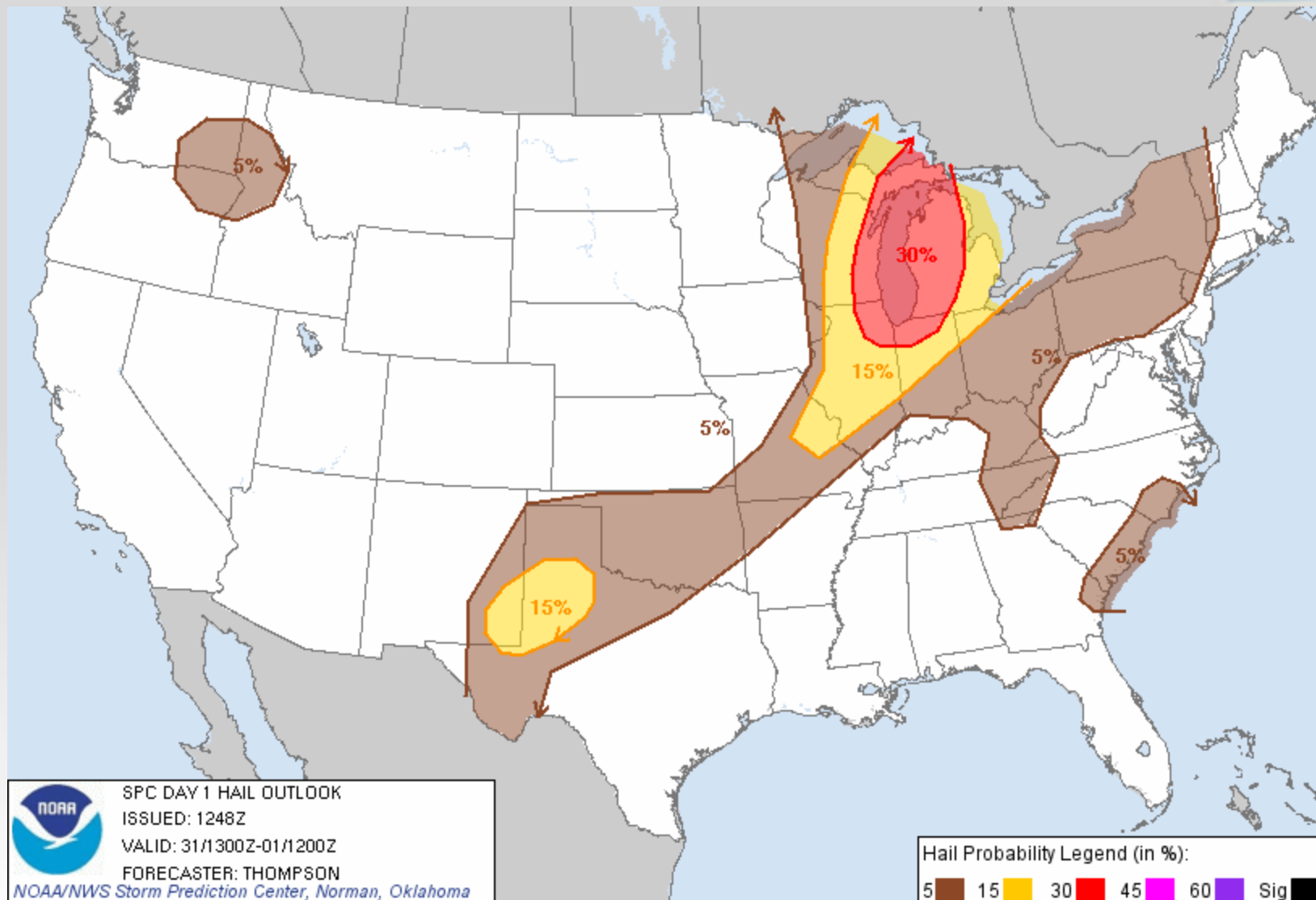
# SPC Tornado Probabilities



# SPC Severe Wind Probabilities



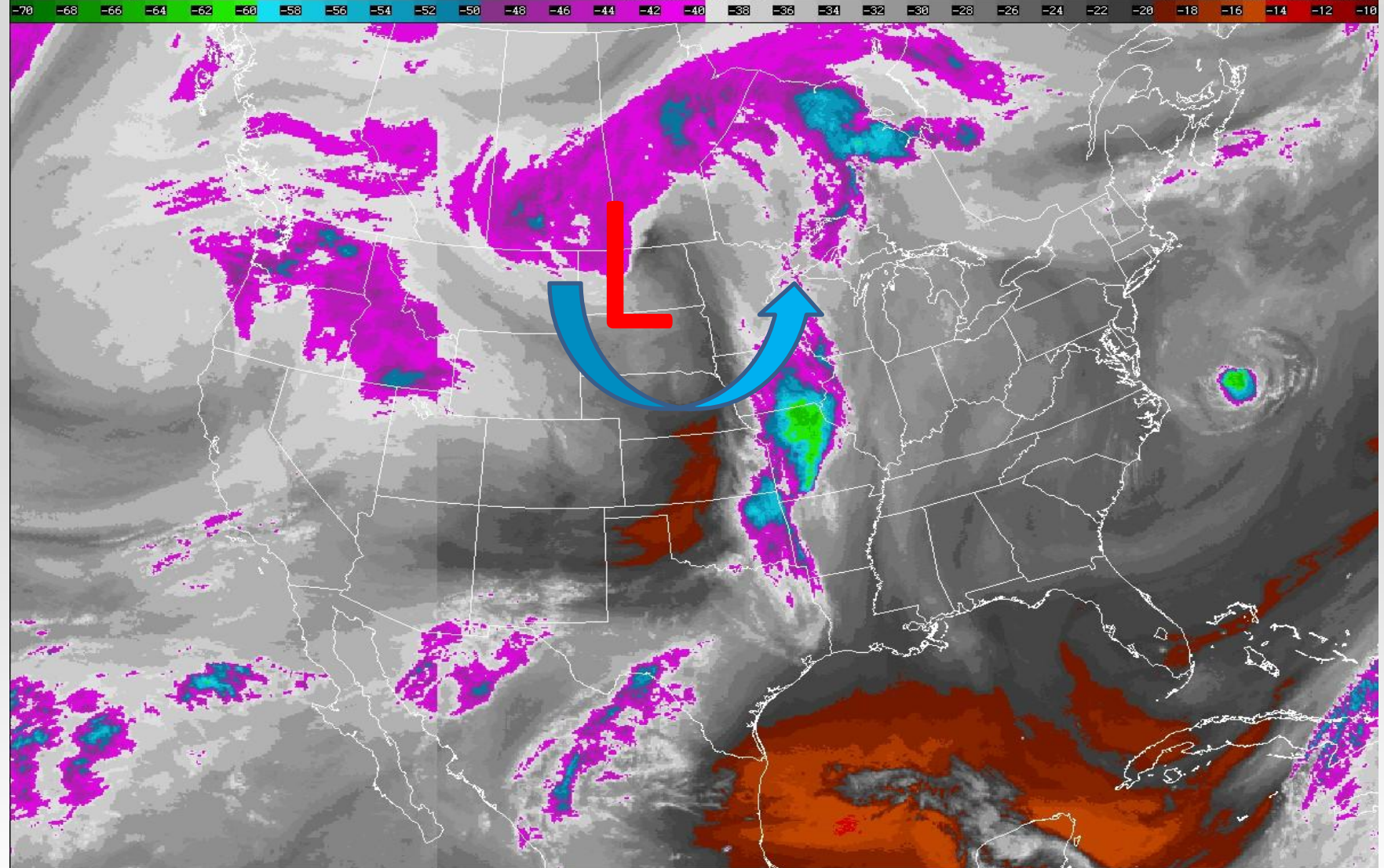
# SPC Severe Hail Probabilities





## Water Vapor Satellite

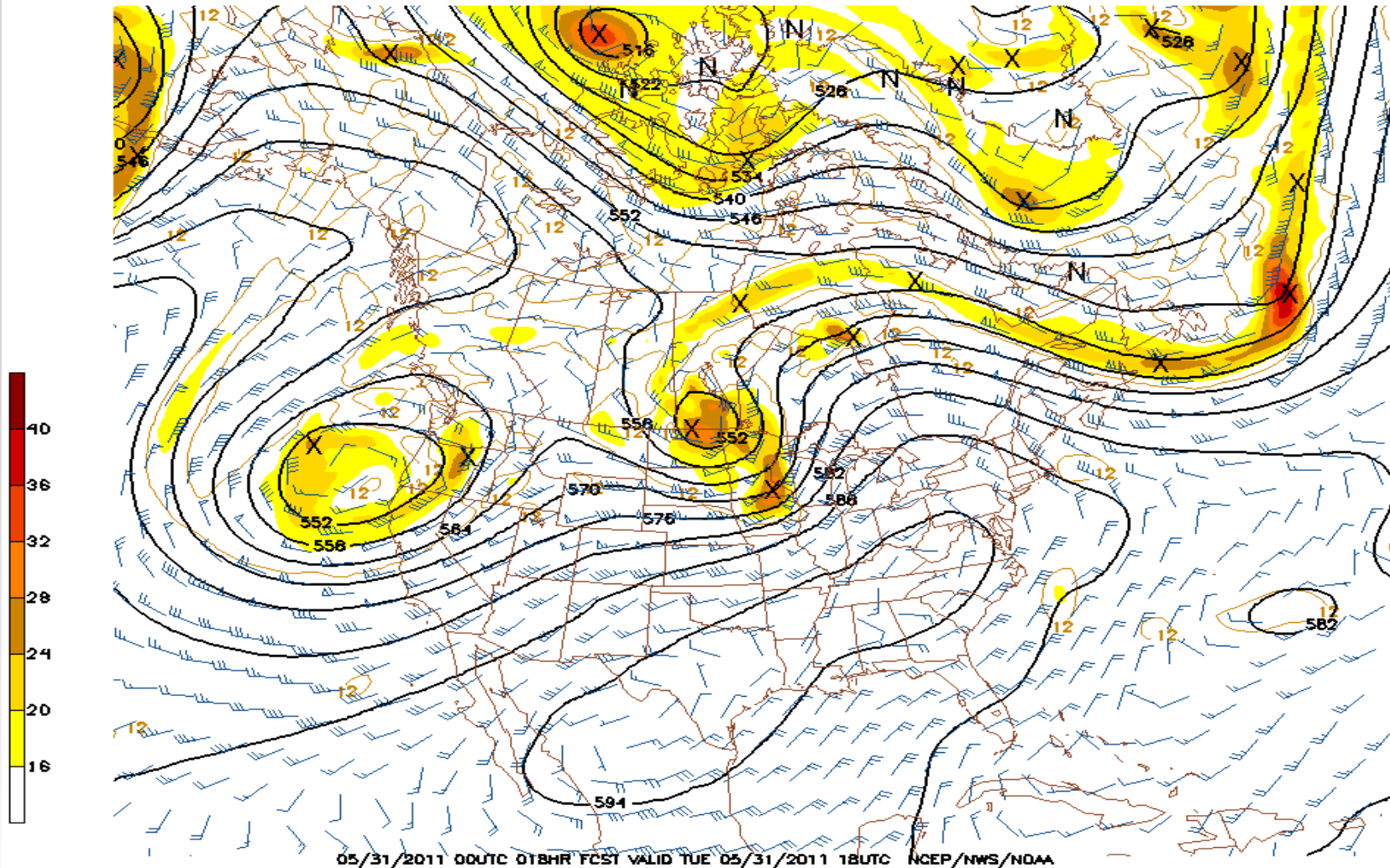
<http://adds.aviationweather.gov>



# Mid Afternoon 500 MB Heights

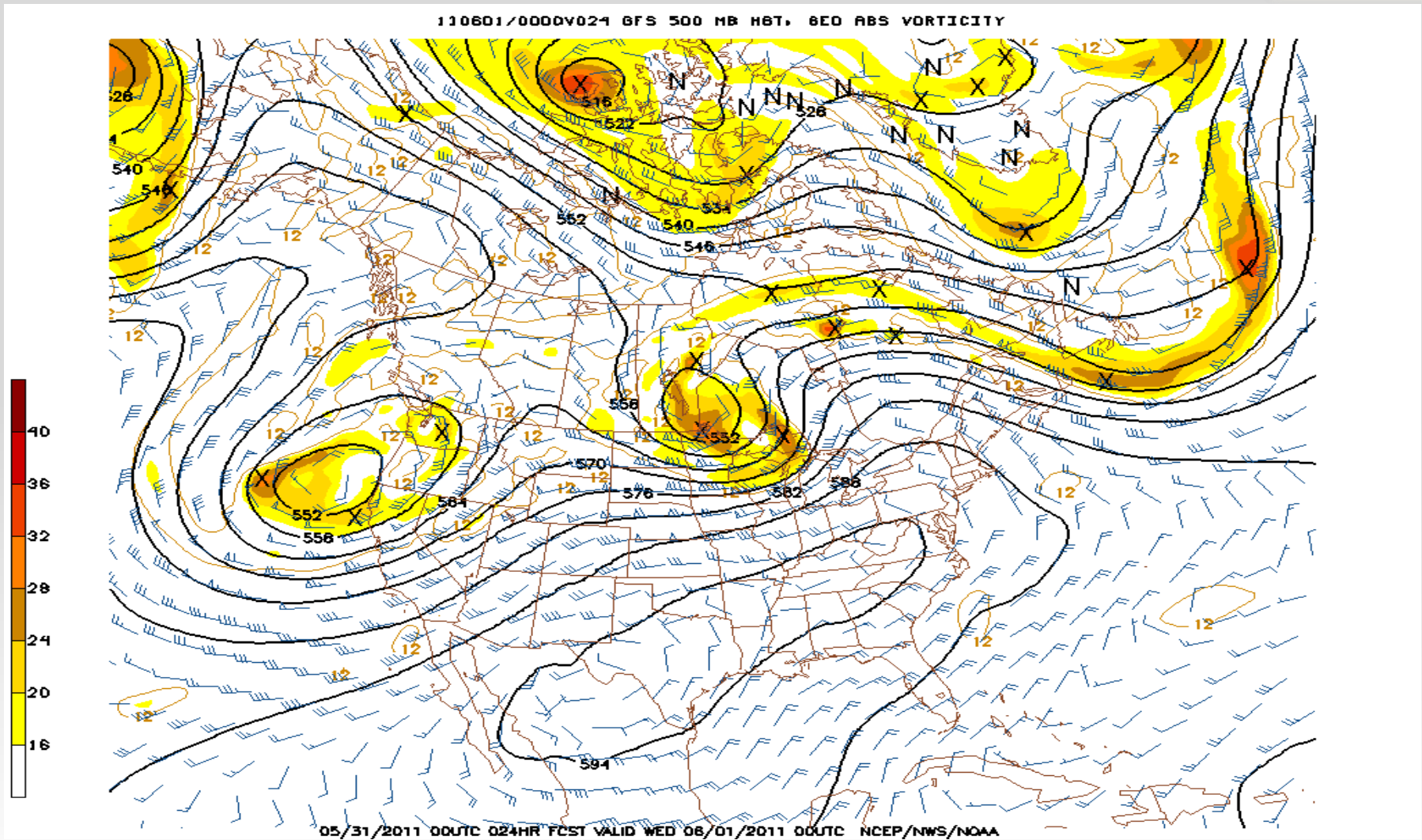


110531/1800V018 GFS 500 MB HGT. 6ED ABS VORTICITY





# Evening 500 MB Heights

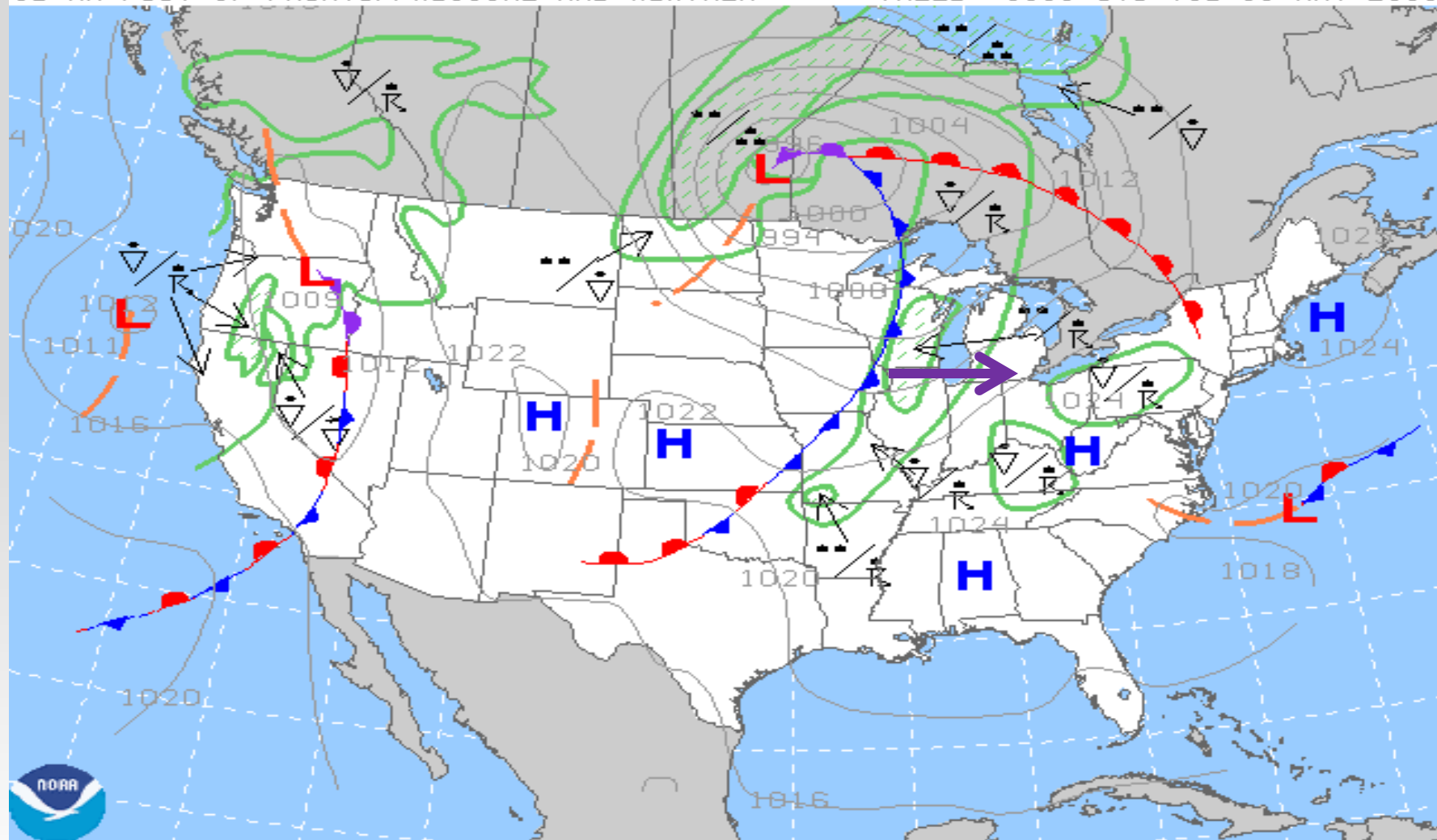




# Afternoon Surface Map



12-HR FCST OF FRONTS/PRESSURE AND WEATHER VALID: 1800 UTC TUE 31 MAY 2011



DOC/NOAA/NWS/NCEP/HPC

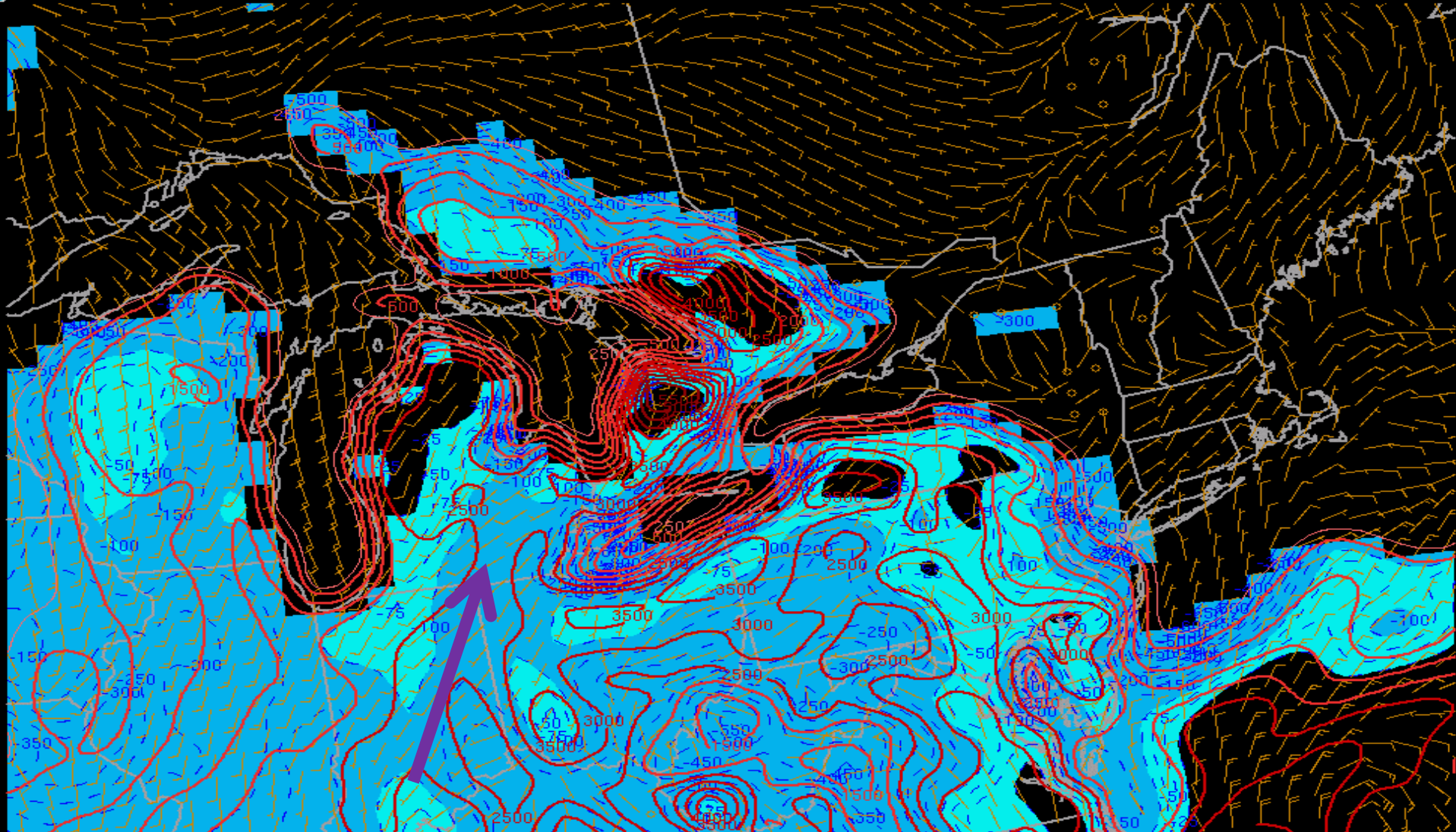
ISSUED: 0426 UTC TUE 31 MAY 2011

# Instability Analysis This Morning



NOAA/NWS/Storm Prediction Center

Mexico-scale Analysis Di



# Expectations



- Hot and Humid Conditions This Afternoon.
- A Fast Moving Line of Severe Thunderstorms Racing from West to East This Evening.
- Main Threats
  - Wind Gusts in Excess of 70 MPH
  - Hail Larger Than One Inch
  - Potential For Tornadoes
- Timing
  - Tri Cities, Flint and the Thumb between 5 PM and 8 PM
  - Metro Detroit, Ann Arbor, Port Huron and points south between 6 PM and 9 PM